

## **Well Drilling Advisory New Haven Area Franklin County**

The Department of Natural Resources is issuing a well drilling advisory for the area in the vicinity of New Haven, Missouri. Tetrachloroethene (PCE) contamination has been detected in two separate plumes in the New Haven area. This advisory is being issued in cooperation with the Environmental Protection Agency Region VII (EPA) and the United States Geological Survey (USGS) to better protect public health and prevent the unnecessary spread of contamination through inadequately cased wells.

The northern plume in the New Haven area is in Section 36, Township 45N, Range 03W. This plume has already impacted several city wells, and extends below the surface down into the Roubidoux Formation more than 500 feet. The plume extends approximately 3000 feet south from the Missouri River. Concentrations of PCE in excess of 200 parts per billion (ppb) have been detected.

The southern plume is in Section 2, the north half of Section 11, the southwest quarter of Section 1 and the northwest  $\frac{1}{4}$  of Section 12, all in Township 44N, Range 03W. This plume extends more than 4000 feet into unincorporated land south of New Haven. Available data suggests this plume is relatively shallow, limited to the Cotter Dolomite. The full extent of this plume may not be fully delineated as of yet.

**To assure that new wells case out known contamination, all new wells drilled in the area should be constructed in accordance with the following standard:**

### **Sec 36, Town 45, Range 3W:**

Consult the division for construction specifications. Much of this area is currently served by public drinking water.

### **Sec 2, N $\frac{1}{2}$ Sec 11, SW $\frac{1}{4}$ Sec 1 and NW $\frac{1}{4}$ Sec 12, Town 44, Range 3W:**

#### **Water Wells:**

Recommended Casing: 200 feet

Recommended Grouting: Full-length

Recommended Borehole Size: 10 inch

#### **Heatpump Wells:**

Recommended not to be constructed in area until plume is further delineated.

Construction using alternating plugs and fill has potential to spread contamination.

Contractors and homeowners could assume liability if contamination is spread.

If you have specific questions feel free to contact Evan Kifer at (573)368-2170.

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